michoud messenger

National Aeronautics and Space Administration

EFT-1 Mission Success!

NASA marked a major milestone Dec. 5 on its journey to Mars as the Orion spacecraft completed its first voyage to space, traveling farther than any spacecraft designed for astronauts has been in more than 40 years.

Orion blazed into the morning sky at 7:05 a.m. EST, lifting off from

Michoud employees gathered to watch EFT-1 liftoff on Dec. 4 before the attempt was delayed to the next day. Joining employees were students from David Thibodaux STEM Magnet Academy Engineering, Northshore High School, and Springfield High School participating in a STEM day hosted by Lockheed Martin, The Boeing Company, and Jacobs Technology. Even though the EFT-1 launch was scrubbed, the students still had the opportunity to launch their own paper rockets, tour the facility, and watch a friction stir weld.

Space Launch Complex 37 at Cape Canaveral Air Force Station in Florida. The Orion crew module splashed down approximately 4.5 hours later in the Pacific Ocean, 600 miles southwest of San Diego.

During the uncrewed test, Orion reached an altitude of 3,600 miles above Earth, hit speeds of 20,000 mph, and weathered temperatures approaching 4,000 degrees Fahrenheit as it entered Earth's atmosphere. The flight tested Orion's heat shield, avionics,

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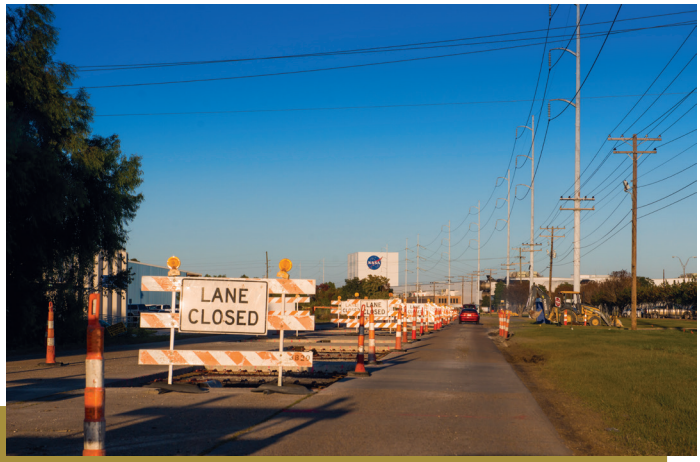
Gas Station Groundbreaking

Marshall Director Patrick Scheuermann (center), accompanied by Steve Turner, Malcolm Wood, Roy Malone, and Bart Jones, toss the first ceremonial shovelful of dirt in the air at a small groundbreaking ceremony for the new Coast Guard Exchange gas station. The planned filling station will have eight pumps under a raincover with pay-at-the-pump capability.

Front Door Project



Known as the Michoud Front Door Infrastructure Project, The City of New Orleans continues to work on Old Gentilly Road in front of the facility with the project at 65% completion. Construction crews should finish replacing the broken concrete panels over the next three weeks.

In early February, crews will begin cleaning the existing drainage ditches and pipes on both sides of the roadway, which should prevent future street flooding. The remaining scope of work includes adding street lighting to the approaches at both the I-510 and Chef Menteur Highway intersections and planting landscaping. After all of the sub-surface roadway preparation is complete, Old Gentilly Road will be topped with a layer of asphault and lane markings painted. The project is on schedule and work should be completed by spring 2015.

Getting to Know You!

Name:
Nancy K. Turnage

Position:
Administrative Associate, Jacobs

Where do you call home?
Slidell, Louisiana

What is your favorite thing about your job?
Being a team member. Jacobs is a caring company. Being given opportunities to learn and advance.

What do you like to do in your free time?
One of my favorite passions is gardening; another is reading.

If you could visit anywhere, where would you go?
I would definitely go to Australia to visit my son.

EFT-1

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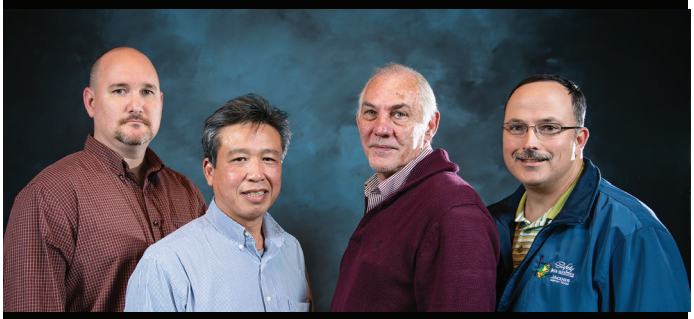
parachutes, computers and key spacecraft separation events, exercising many of the systems critical to the safety of astronauts who will travel in Orion.

“We really pushed Orion as much as we could to give us real data that we can use to improve Orion’s design going forward,” said Mark Geyer, Orion Program manager. “In the coming weeks and months we’ll be taking a look at that invaluable information and applying lessons learned to the next Orion spacecraft already in production for the first mission atop the Space Launch System rocket.”

Lockheed Martin, NASA’s prime contractor for Orion, began manufacturing the Orion crew module in 2011 at Michoud Assembly Facility and delivered it in July 2012 to the Neil Armstrong Operations & Checkout Facility at Kennedy Space Center in Florida.

Conserving Energy at Michoud Leads to a Brighter Tomorrow!



The Michoud Energy Conservation Team (pictured left to right are Colin Lusk, Phan Nguyen, Ernie Graham, and Larry Koenenn) encourages all employees to watch their energy consumption, which contributes to the future sustainability of our facility.

Facts:

- Michoud has 3,665,515 square feet of office and manufacturing space
- Electricity cost for FY14 was $6,900,000
- Michoud spends $19,000 each day for electricity
- If we reduce electricity usage by 3%, Michoud will save $207,000 annually

How can we all help to conserve electricity and save?

- Turn off lights, task lights, lamps, computers, monitors, printers, scanners, fans and other electrical appliances when leaving the office at the end of the workday
- Stop “vampire” power drains by unpluging devic es such as phone chargers, computer speakers, external hard drives, etc. when not in use

By working together – we can make a positive difference!

Tank Move

On January 6th, Lockheed Martin delivered their third liquefied natural gas (LNG) tank. This is the second tank provided to Wärtsilä, a company under contract to Harvey Gulf Internation al Marine, LLC. The tank was delivered by barge to Gulfport, Mississippi where it will be installed into an offshore support vessel.

Pegasus Readied for SLS Core Stage

The Pegasus barge is seen here undergoing refurbishments at Conrad Shipyard LLC in Morgan City, Louisiana. Conrad crews recently finished building a new, 165-foot center section for the barge and are in the process of finishing the installation of the section. The modifications will bring the total length of the barge from 260 feet to 310 feet -- a little more than the length of a football field. A 115-foot center section of the existing barge was removed and the new piece installed. Work is scheduled for completion in spring 2015.

Once the modifications are complete, Pegasus will be towed to Stennis Space Center where the barge will be prepared for operational readiness. The first planned set of voyages for the Pegasus will be from Michoud to the Marshall Space Flight Center to deliver the core stage structural test articles which will validate the construction of the SLS rocket’s Core Stage.

Toys For Tots Donation Drive

Thank you to all Michoud employees who donated toys during the 2014 Toys For Tots campaign – the drive was a tremendous success! United States Marine Corp Reserve Lieutenant General Richard P. Mills visited the facility on Dec. 19 to personally thank everyone and pick up the gifts. During a short ceremony held in the building 350 NASA auditorium, employees gathered together for the photo above. After the event, Marines packed and delivered the donated toys to children in the New Orleans area.

Letter from Leadership

Welcome back! I would like to use this opportunity to share this inaugural issue of the new revamped Michoud Messenger. Although resource issues and sequestration drove a temporary hold on publishing the Messenger, we have used the time to create a new product which we hope will better meet the needs of the entire facility population. In this effort, this issue and future additions will include useful tenant information as well as information about what is going on at NASA and at our tenant partner sites. Please be sure to give us feedback as we implement this revamped communications tool.

With the opening of the building 110 Space Launch System Vertical Assembly Center in September, the facility is now poised to complete its transition from SLS facilities construction to space flight hardware production. Even during this time of transition, the facility has already seen the production of three Orion vehicles, one of which launched from Cape Canaveral on Dec. 5. Orion's first flight was a huge success for all of NASA, and I want to thank all of you here who contributed to this great accomplishment.

Of near term significance to many of you with regard to transition to production, is a change in the level of security in building 103 and associated flight production and test buildings. In this effort, NASA will be re-establishing NASA Controlled Access Areas (NCAAs) to protect the hardware and associated technology. Establishment of the NCAA areas will affect buildings 102, 103, 104, 109, 110, 114, 115, 130, 131, 135, 159, and 207 and be accomplished in three phases over a period of three months with final activation of card readers and turnstiles coming soon. More information will be provided each month during the Safety, Health and Environmental (SHE) Executive meetings. For those working in the controlled areas, we will conduct a meeting each month in the NASA resident manager's conference room in building 101 to address specific NASA security requirements affecting these areas.

I would also like to welcome three of our newest partners to the Michoud family. They include Textron Marine and Land Systems in building 220, Advanced Cutting Solutions (ACS) in building 103, and the Bureau of Safety and Environmental Enforcement (BSEE) which is renting green space near the Michoud deep water port.

Finally, I want to thank all of you for your hard work and dedication to our facility that made 2014 such a great year. I know 2015 is going to be even better, and I look forward to seeing all that we will accomplish.

- Roy Malone,
Director of Michoud Assembly Facility

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